

## ENVIRONMENTAL SHORT COURSES AT THE AIR FORCE INSTITUTE OF TECHNOLOGY

Mr. Randall Schober & Mr. Neal Hauschild  
Department of Environmental Management  
Air Force Institute of Technology  
2950 P. Street (Bldg 643)  
Wright-Patterson AFB, OH 45433  
Tel (937) 255-5654  
Fax (937) 255-4645

HYPERLINK <mailto:rschober@afit.af.mil> [rschober@afit.af.mil](mailto:rschober@afit.af.mil) or HYPERLINK  
<mailto:nhauschi@afit.af.mil> [nhauschi@afit.af.mil](mailto:nhauschi@afit.af.mil)

OVERVIEW: The Air Force Institute of Technology (AFIT) provides defense-focused graduate and continuing education, research and consultation to improve Air Force and joint operational capability. The Civil Engineer and Services School (CESS) is one of AFIT's four resident schools. CESS develops and delivers civil engineer, environmental, and services professional continuing education; provides consultation; and conducts applied research in support of U.S. aerospace forces. CESS offers a variety of environmental courses covering all media. In addition to the Inter-Service Environmental Education Review Board-approved (ISEERB-approved) Pollution Prevention Program Operations and Management course (ENV022), we have other ISEERB-approved courses (Environmental Compliance Assessment, ENV020 and Air Quality, ENV531). These courses are available to all services. Additionally, we have two brand new environmental courses entitled Hazardous Material Management Program (ENV222) and Unit Environmental Coordinator (ENV220).

### ENV 020 - Environmental Compliance Assessment

OBJECTIVE: For each student to comprehend the objectives, principles, and mechanics of an environmental audit/assessment. (Called ECAMP in the Air Force, ECAS--Environmental Compliance Assessment System in the Army, and ECE--Environmental Compliance Evaluation in the Navy). At the end of the course, the students should have the knowledge to successfully plan and execute an internal or external assessment, prepare required reports, and direct the follow-up actions such as programming for environmental requirements. DESCRIPTION: This course provides the detailed management philosophy behind the various aspects of an

environmental assessment. Graduates will develop skills needed to serve as either a team chief or team member. The student should leave the course ready to assist their installation in performing internal assessments and in hosting an external team by developing an in-depth understanding of the program, a familiarity of team responsibilities, and environmental compliance programming avenues. PREREQUISITES: Primary Audience - Environmental Compliance Assessor (ECAMP, ECAS, ECE/both CE and Non-CE), ECAMP/ECAS/ECE Program Manager, Environmental Compliance Program Manager. Secondary Audience - Environmental Flight Chief, Enlisted Environmental AFS, Unit Environmental Coordinator (CE and non-CE), Environmental Program Manager (CE and Non-CE). Duration: 1 Week. \*\*ISEERB approved for all DOD Components. POC: Mr. Randall Schober @ 937-255-5654, extension 3535.

ENV 022 - Pollution Prevention Program Operations and Management

OBJECTIVE: For each student to comprehend the objectives, principles, and mechanics of an installation pollution prevention program. At the end of the course, the students should have the knowledge to successfully plan, establish, and execute a successful pollution prevention program. Students should be able to direct follow-up actions such as selling the program to senior leadership and programming for pollution prevention requirements. DESCRIPTION: This course emphasizes pollution prevention concepts such as source reduction of hazardous and toxic chemicals, solvent substitutions, reuses and recycling, process changes, and environmental awareness. This course also introduces management techniques that can be used to implement a sound pollution prevention program. These management techniques include ways to establish and run the program, conduct pollution prevention opportunity assessments (class exercises included), implement process changes to incorporate pollution prevention, assess pollution prevention program success, and establish awareness training. PREREQUISITES: Primary Audience - Pollution Prevention Program Manager, Environmental Compliance Program Manager, and persons with primary P2 responsibilities in their respective organizations. Secondary Audience - Environmental Program Managers. Duration: 1 Week. \*\*ISEERB approved for all DOD Components. POC: Capt Jeff Rumrill @ 937-255-5654, extension 3540.

#### ENV 220 - Unit Environmental Coordinator

OBJECTIVE: For each student to comprehend the daily environmental management requirements of a typical USAF organization, and what it takes to communicate and orchestrate these requirements both within and outside their organization. As a secondary objective, this course seeks to increase general environmental awareness and how all USAF members act as a team in managing environmental issues. DESCRIPTION: This course equips the unit environmental coordinator (UEC) to improve and maintain environmental compliance within their organization, recognize and address problems when they occur, and act as base-wide point of contact for environmental issues concerning their organization. Key topics discussed include the UEC appointment process, the structure, role and function of the base Environmental Protection Committee (EPC) and Environmental Management office (EM or CEV), how to interact with the Environmental Protection Committee and Environmental Management, and what tools are available to help UECs do their job. In addition, key functional responsibilities will be discussed. These include the management of hazardous materials and waste, solid waste,

water discharge, air emissions, petroleum products, and ongoing pollution prevention. Other program management guidance will be provided which covers special concerns of pesticides, PCBs, asbestos, noise, environmental planning, and natural and cultural resources.

**PREREQUISITES:** Primary Audience - Current or anticipated appointment as primary or secondary Unit Environmental Coordinator or equivalent. Coordinator of key environmental function within an organization. Secondary Audience - Supervisor of operations with environmental impact, ECAMP Evaluator, key environmental program manager, Bioenvironmental Engineer, Safety Officer, Judge Advocate. Duration: 3 Days. POC: Mr. Randall Schober @ 937-255-5654, extension 3535.

#### ENV 222 - Hazardous Material Management Program (HMMP)

**OBJECTIVE:** For each student to comprehend the objectives, principles, responsibilities and daily environmental, safety, and occupational health (ESOH) requirements of a Hazardous Material Pharmacy Program (HPP), and what it takes to communicate and orchestrate these requirements both within and outside their respective organization as part of the HAZMAT Management Process (HMMP) team. At the end of the course, students should have the knowledge to successfully plan, establish, and execute a HAZMAT Management Program. Students should be able to direct follow-up actions such as selling the program to senior leadership and programming for pharmacy requirements. **DESCRIPTION:** This course emphasizes pollution prevention concepts such as source reduction and reutilization within the overall management of HAZMAT. This course introduces management techniques for operating a sound HPP. Specific topics include the responsibilities of cross-functional team members comprising the HMMP and HPP; various laws, regulations, and forms affecting key HPP workers; the authorization and distribution processes of HAZMAT (i.e. overall inventory management; obtaining, receiving, and issuing HAZMAT; etc.); and the use of automated management information systems for managing and tracking HAZMAT. **PREREQUISITES:** Primary Audience - Current or anticipated appointment as a key HAZMAT Pharmacy worker to include anyone actively working in the HPP: Environmental Management, Logistics, Supply, Bioenvironmental Engineering, Safety, Procurement (buyers of HAZMAT), MAJCOM HPP Managers. Secondary Audience - Customers of the HPP Program (both input and output): Environmental Management Program Managers (CEV/EM) Hazardous Material Distribution Point Managers Quality Assurance Evaluators (QAEs) for HPP Contracts Maintenance, Unit Environmental Coordinators (UECs). Duration: 3 days. POC: Mr. Neal Hauschild @ 937-255-5654, extension 3537.

#### ENV 531 - Air Quality Management Course

**OBJECTIVE:** For each student to comprehend the technical and regulatory requirements of air quality management, and understand methods to plan, and implement successful comprehensive air quality management program at the installation level. **DESCRIPTION:** This course provides discussions of technical and regulatory issues appropriate for the installation-level air quality manager. Topics include compliance, emission inventories & processes, sampling & analysis,

permitting, pollution prevention and waste reduction strategy, control technology, aerospace NESHAPS, the conformity and risk management rules, and ODCs. A limited number of problem-solving exercises are included. Students and instructors are from all services. PREREQUISITES: Primary Audience - Air Program Manager, ODC Program Manager. Secondary Audience - Environmental Flight Chief, Environmental Program Manager, MAJCOM Compliance Branch Chief. Grade: Commissioned officer, GS-7 or above. Education: Bachelor's degree in engineering, environmental science, or other closely related field. Duration: 1 Week. . \*\*ISEERB approved for all DOD Components. POC: Capt Brian George @ 937-255-5654, extension 3534.

### Attending AFIT

Resident Quota Management/Enrollment Procedures: CESS Administration (CEA) will allocate quotas to MAJCOM training offices through the Training Management System (TMS) on a first-come basis to identified primary audience students by name. The MAJCOM training office sub-allocates its quotas with a training line number (TLN) to the appropriate base for students selected by CESS. The TLN is the authority for base MPF to publish travel orders. The base MPF enters the appropriate student information into the TMS NLT 21 days prior to course start date. This action allows adequate time for TMS data to flow through the system so class close-out can take place within 21 days of class start date.

Enrollment: USAF personnel must submit requests to their MAJCOM Training Manager (TM) using a DD Form 1556. If your MAJCOM does not require a DD Form 1556, applications must include the comparable information. MAJCOM TMs will send applications to AFIT/CEA on the date enrollment opens (which will be the first working day of each month for those classes starting three months in the future). The course directors will determine the eligibility of the applicant attending the course.

Non-Air Force DOD applicants should call AFIT/CEA, DSN 785-2156 or 937-255-2156, for application procedures.

Waiver Requests: Prerequisites are listed with each course description and identify the minimum level of academic and work experience required to fully participate in the program of instruction. Some courses require the student to be holding a specific job assignment. The maximum benefit accrues to those students who meet the established prerequisites. Supervisors, training personnel, and the MAJCOM TMs must closely screen the qualifications of the students they wish to send.

Applications: All enrollment requests must be approved at base and MAJCOM levels prior to forwarding to AFIT/CEA. The course director is the final approval authority on all applications.

Contractor Application Procedure: In accordance with AFCAT 36-2223, paragraph 1-52, "USAF Training for Contractor Personnel," employees of companies or corporations under contract to

the Armed Services may attend our resident or on-site education course offerings, on a "space available tuition pay" basis, if either of the following conditions apply: 1) the contract requires the government to provide training, or 2) the training required is not available from other sources and there is a material and direct benefit to the DOD. Please first contact Ms. Diane Osborne at commercial 937-255-5654, ext. 3588 to receive phone approval of the contractor's application package, on a "space available tuition pay" basis.

For more information on course offerings and enrollment, visit the CESS web site: <http://cess.afit.af.mil>

# AFIT ENVIRONMENTAL COURSE OFFERINGS

FY 99

COURSE OFFERING	START	END	DL*	RESIDENT	ENV020	Environmental
Compliance Assessment	99A 19-Oct	23-Oct	YES	YES	99B 25-Jan	29-Jan YES 99C 15-Mar
19-Mar	YES	YES	99D 7-Jun	11-Jun YES	ENV021	Intro to Installation Restoration
Program	99A 4-Jan	8-Jan	YES	99B 12-Apr	16-Apr YES	99C 14-Jun 18-Jun
YES	ENV022	Pollution Prevention Program Operations	99A 14-Dec	18-Dec	YES	and Management 99B 8-Feb 12-Feb YES YES 99C 19-Apr 23-Apr
YES	YES	99D 21-Jun	25-Jun YES	ENV025	RACER 99A 26-Apr	27-Apr YES
99B 28-Jun	29-Jun	YES	ENV101	Intro to Environmental Management		
Flight	99A 8-Feb	19-Feb	YES	99B 9-Aug	20-Aug YES	ENV220 Unit Environmental
Coordinator	99A 2-Nov	4-Nov	YES	99B 19-Jan	21-Jan YES	99C 29-Mar 31-Mar
YES	99D 17-May	19-May	YES	ENV222	Hazardous Material Management	
Program	99A 1-Dec	3-Dec	YES	99B 20-Jan	22-Jan YES	99C 16-Mar 18-Mar
YES	99D 18-May	20-May	YES	ENV416	Environmental Flight Commanders	
Course	99A 26-Oct	6-Nov	YES	ENV417	Environmental Restoration Project	
Mgt	99A 11-Jan	15-Jan	YES	99B 19-Apr	23-Apr YES	99C 21-Jun 25-Jun
YES	ENV418	Environmental Contracting	99A 9-Nov	20-Nov YES	99B 3-May	14-May
YES	ENV419	Environmental Planning, Programming &	99A 8-Dec	10-Dec	YES	Budgeting 99B 13-Apr 15-Apr YES 99C 22-Jun 24-Jun YES
YES						FY 99
COURSE OFFERING	START	END	DL*	RESIDENT	ENV521	Hazardous Waste
99A 19-Oct	23-Oct	YES	99B 15-Feb	19-Feb YES	99C 17-May	21-May
YES	ENV531	Air Quality	99A 16-Nov	20-Nov YES	99B 22-Mar	26-Mar
YES	99C 24-May	28-May	YES	FY 99 SEMINARS	HAZWOPER	
Refresher (8 hours)	99A 6-Oct	M, P YES	7-Oct	E,C YES	99B 5-Jan	M, P YES 6-Jan
E,C YES	99C 13-Apr	M, P YES	14-Apr	E,C YES	99D 7-Jul	M, P YES 8-Jul
E,C YES						Hazardous Waste Accumulation Site/ 99A 5-Nov
						M, P YES Initial Point
Management (4 hours)	6-Nov	E,C YES	99B 20-May	M, P YES	21-May	
YES						Storm Water Management 99A 5 Nov
						M, P YES 6 Nov
						E, C YES 99B 20 May
						M, P YES 21 May
						E, C YES
						DL* = Distance Learning via
Satellite						Central Time
						M,P, E, C = Mountain, Pacific, Eastern, &
						Zones